

**SYSTEM FOR SECURING ENCRYPTION RENEWAL SYSTEM BY PHYSICAL
SEPARATION OF COMPONENTS AND FOR REGISTERING OFF-LINE
ENCRYPTION DEVICE**

ABSTRACT OF THE DISCLOSURE

5 An encryption renewal system for generating entitlement control messages,
the system being secured by physical separation of components. The encryption renewal
system has a first computing platform for performing non-secure tasks associated with one or
more control messages that transmit one or more keys to a subscriber; and a second
computing platform physically separate from the first computing platform containing one or
10 more application specific integrated circuit chip for generating the one or more control
messages. In addition, a method by the encryption renewal system is used to register an off-
line encryption device in order to begin encrypting clear content. The method includes
generating data for registering the off-line encryption device; encrypting the data with one or
more cryptographic keys to form encrypted data; forwarding the encrypted data to the off-line
15 encryption device; and retrieving the data from the encrypted data, wherein the off-line
encryption device begins to encrypt clear content only after the data is retrieved.

SF 1187290 v1